

**In the Specification:**

Please delete the paragraph that begins on page 1, line 1. Please insert the following new paragraph at page 1, line 6:

**CROSS REFERENCE TO RELATED APPLICATIONS**

This is a divisional of U.S. Application No. 09/858,152, filed May 14, 2001, which is a division of U.S. Application No. 09/378,842, filed August 23, 1999, now issued as U.S. Patent No. 6,342,392, which is a divisional of U.S. Application No. 08/875,847, filed September 25, 1997, now issued as U.S. Patent No. 6,255,105, which is the national stage under § 371 of PCT Application No. PCT/US96/01884, filed February 9, 1996, published in English under PCT Article 21(2). PCT Application No. PCT/US96/01884 is a continuation-in-part of U.S. Application No. 08/385,998, filed February 9, 1995, now abandoned.

Please replace the existing Sequence Listing with the enclosed Replacement Sequence Listing.

Please amend the paragraph starting on line 27 of page 7 (through line 3 of page 8) as follows:

Figures 9A and 9B show the nucleotide sequences of the junctions between MMTV and *Int6* sequences in chimeric *Int6*-MMTV LTR RNA species detected in tumors 1139 (Figure 9A) and 22 (Figure 9B). In Figure 9A, the nucleotide sequence shown (SEQ ID NO: 33) begins at the 5' end of exon with the nucleotide sequence shown in lower case letters corresponding to intro 5 sequences (nucleotides 148-212 of SEQ ID NO: 33). Amino acid sequences in RNA species 2 which are identical to those in RNA species 1 are indicated by dots (see amino acids 60-108 of SEQ ID NO: 4), and nucleotide sequence which have been spliced out in RNA species 2 are indicated by dashes (see nucleotides 148-213 of SEQ ID NO: 33). Nucleotide and amino acid sequences which are ~~underline~~ underlined are from the integrated MMTV genome (nucleotides 214-687 of SEQ ID NO: 33 and SEQ ID NO: 34, respectively).

Please amend the paragraph starting on line 4 of page 8 (through line 15 of page 8) as follows:

In Figure 9B, the nucleotide sequence shown (SEQ ID NO: 35) for the chimeric RNA species detected in tumor 22 begins at the 5' end of exon 9 and run through a portion of intron 9 to the cryptic poly A addition signal in the MMTV genome. Intron nucleotide sequence is given in lower case letter (corresponding to nucleotides 103-182 of SEQ ID NO: 35), MMTV sequences are underlined (corresponding to nucleotides 183-657 of SEQ ID NO: 35), and dashes indicate nucleotide sequences of the intron which have been spliced out (corresponding to nucleotides 103-120 of SEQ ID NO: 35). The MMTV amino acid sequences are underlined (represented by SEQ ID NO: 36.) Dots correspond to amino acid residues encoded by RNA species 2 and 3 which are identical to those encoded by RNA species 1 (see also amino acids 253-268 of SEQ ID NO: 4). The abbreviations for amino acids shown in Figures 9A and 9B are the same as those given in the legend for Figure 5.

Please insert the attached Abstract as page 76 of the specification.